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6-14-02

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of :  
Phillip D. Neumiller et al. : Group Art Unit: 2661  
Serial No.: 10/022,269 : Examiner: Not Assigned  
Filed: December 20, 2001 :  
FOR: A SYSTEM AND METHOD FOR :  
PERFORMING MACRO-DIVERSITY :  
SELECTION AND DISTRIBUTION OF :  
ROUTES FOR ROUTING DATA :  
PACKETS IN AD-HOC NETWORKS ::

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97-1.98, Applicants hereby transmit copies of the documents listed in the attached Form PTO-1449, which may be deemed material to the examination of the above-identified application.

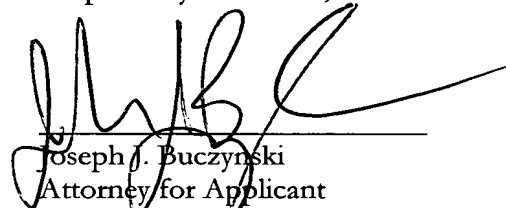
All documents, with the exception of French Patent FR2683326, are in English and require no statement of relevance. Regarding French Patent FR2683326, an English abstract is provided as a brief statement of relevance to the above-identified Application as required under 37 C.F.R. § 1.98. Also, since the present Information Disclosure Statement is being filed prior to issuance of a first Office Action on the merits, no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(b) is required.

Applicant's representative is attempting to obtain copies of the references cited in the application which are not included in this IDS but will be filed shortly in a Supplemental IDS.

The Examiner is requested to consider the attached documents in connection with the above-identified application and to return a copy of Form PTO-1449 to the Applicants with the Examiner's initials in the spaces provided.

Submission of this Information Disclosure Statement does not constitute an admission by the Applicants as to the materiality of the attached documents to the application, nor do the Applicants waive any right to challenge the validity of the documents as prior art should such action be deemed appropriate. Furthermore, the Examiner is asked to consider the Industry Standard Documents (i.e. the TIA/EIA Standards) referenced in the background of the above-identified Application. Printed copies of these standards have not been included to minimize the existing volume of reference material provided but appear to be available online. If copies are required, please contact the Attorney listed below.

Respectfully submitted,

  
\_\_\_\_\_  
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Dated: June 10, 2002



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 42503		SERIAL NO. 10/022,269	
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)				APPLICANT Phillip D. Neumiller et al.			
				FILING DATE December 20, 2001		GROUP 2661	
<b>U.S. Patent Documents</b>							
Examiner Initial		Patent No.	Date	Patentee	Class	Sub- class	Filing Date
		6,349,210	02/19/02	Li	455	450	11/03/00
		6,349,091	02/19/02	Li	370	238	11/07/00
		6,327,300	12/04/01	Souissi et al.	375	219	10/25/99
		6,304,556	10/16/01	Haas	370	254	08/24/98
		6,285,892	09/04/01	Hulyalkar	455	574	11/24/98
		6,275,707	08/14/01	Reed et al.	455	456	10/08/99
		6,249,516	06/19/01	Brownrigg et al.	370	338	01/27/00
		6,246,875	06/12/01	Seazholtz et al.	455	432	03/26/99
		6,240,294	05/29/01	Hamilton et al.	455	456	05/30/97
		6,226,283	05/01/01	Neumiller et al.	370	340	05/13/99
		6,223,240	04/24/01	Odenwald et al.	710	129	01/31/00
		6,208,870	03/27/01	Lorello et al.	455	466	06/01/99
		6,192,230	02/20/01	Van Bokhorst et al.	455	343	09/27/93
		6,192,053	02/20/01	Angelico et al.	370	448	09/07/95
		6,178,337	01/23/01	Spartz et al.	455	561	06/19/97
		6,163,699	12/19/00	Naor et al.	455	453	09/15/97
		6,147,975	11/14/00	Bowman-Amuah	370	252	06/02/99
		6,141,559	10/31/00	Neumiller et al.	455	525	02/03/00
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		6,104,712	08/15/00	Robert et al.	370	389	02/22/99
		6,078,566	06/20/00	Kikinis	370	286	04/28/98
		6,072,790	06/06/00	Neumiller et al.	370	338	05/13/99
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		6,064,626	05/16/00	Stevens	365	233	07/31/98
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		6,029,217	02/22/00	Arimilli et al.	710	107	10/03/94
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	APPLICANT Phillip D. Neumiller et al.	
	FILING DATE December 20, 2001	GROUP 2661

### U.S. Patent Documents

Examiner Initial	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	5,936,953	08/10/99	Simmons	370	364	12/18/97
	5,909,651	06/01/99	Chander et al.	455	466	05/05/97
	5,903,559	05/11/99	Acharya et al.	370	355	12/20/96
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	5,886,992	03/23/99	Raatikainen et al.	370	410	04/15/97
	5,881,372	03/09/99	Kruys	455	113	12/01/95
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	5,809,518	09/15/98	Lee	711	115	05/20/96
	5,805,977	09/08/98	Hill et al.	455	31.3	04/01/96
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	5,781,540	07/14/98	Malcolm et al.	370	321	06/30/95
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### U.S. Patent Documents

	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
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	5,502,722	03/26/96	Fulghum	370	69.1	08/01/94
	5,424,747	06/13/95	Chazelas	342	70	04/09/93
	5,412,654	05/02/95	Perkins	370	94.1	01/10/94
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	5,241,542	08/31/93	Natarajan et al.	370	95.3	08/23/91
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	5,231,634	07/27/93	Giles et al.	370	95.1	12/18/91
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	4,617,656	10/14/86	Kobayashi et al.	370	74	01/02/86
	4,494,192	01/15/85	Lew et al.	364	200	07/21/82

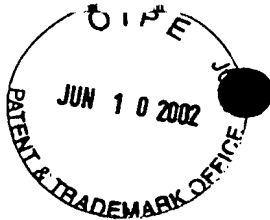
### Published U.S. Patent Application

	Pub. No.	Pub. Date	Patentee	Class	Sub-class	Filing Date
	2001/0053699	12/20/01	McCrary et al.	455	513	02/06/01

### Foreign Patent Documents or Foreign Patent Applications

	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
						Yes	No
	EP 0513841 A2	11/19/92	EPO			X	
	EP 0513841 A3	11/19/92	EPO			X	
	EP 0924890 A2	06/23/99	EPO			X	
	EP 0627827 A2	12/07/94	EPO			X	
	WO 9912302	03/11/99	WIPO			X	
	WO 9839936	09/11/98	WIPO			X	

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### Foreign Patent Documents or Foreign Patent Applications

	WO 9724005	07/03/97	WIPO			X	
	WO 9608884	03/21/96	WIPO			X	
	WO 0235253	05/02/02	WIPO			X	
	WO 0137483	05/25/01	WIPO			X	
	WO 0137482	05/25/01	WIPO			X	
	WO 0137481	05/25/01	WIPO			X	
	WO 0135567	05/17/01	WIPO			X	
	WO 0133770	05/10/01	WIPO			X	
	WO 0110154	02/08/01	WIPO			X	
	WO 0034932	06/15/00	WIPO			X	
	CA 2132180	03/16/96	Canada			X	
	FR 2683326	07/05/93	France				X

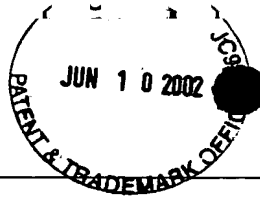
### Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
		Wong et al., "Soft Handoffs in CDMA Mobile Systems", December 1997, IEEE Personal Communications
		Wong et al., "A Pattern Recognition System for Handoff Algorithms", July 2000, IEEE Journal on Selected Areas in Communications, vol. 18, no. 7
		Andras G. Valko, "Cellular IP: A New Approach to Internet Host Mobility", January 1999, ACM Computer Communication Review
		Richard North, Dale Bryan and Dennis Baker, "Wireless Networked Radios: Comparison of Military, Commercial, and R&D Protocols", February 28-March 3, 1999, 2 <sup>nd</sup> Annual UCSD Conference on Wireless Communications, San Diego CA
		Benjamin B. Peterson, Chris Kmiecik, Richard Hartnett, Patrick M. Thompson, Jose Mendoza and Hung Nguyen, "Spread Spectrum Indoor Geolocation", August 1998, Navigation: Journal of the Institute of Navigation, vol. 45, no. 2, summer 1998
		Josh Broch, David A. Maltz, David B. Johnson, Yih-Chun Hu and Jorjeta Jetcheva, "A Performance Comparison of Multi-Hop Wireless Ad Hoc Network Routing Protocols", October 25-30, 1998, Proceedings of the 4 <sup>th</sup> Annual ACM/IEEE International Conference on Mobile Computing and Networking
		C. David Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol"
		Chip Elliott and Bob Heile, "Self-Organizing, Self-Healing Wireless Networks", 2000 IEEE

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<b>Other Documents (including Author, Title, Date, Pertinent Pages, etc.)</b>		
		J.J. Garcia-Luna-Aceves and Asimakis Tzamaloukas, "Reversing the Collision-Avoidance Handshake in Wireless Networks"
		J.J. Garcia-Luna-Aceves and Marcelo Spohn, "Transmission-Efficient Routing in Wireless Networks Using Link-State Information"
		J.J. Garcia-Luna-Aceves and Ewerton L. Madruga, "The Core-Assisted Mesh Protocol", August 1999, IEEE Journal on Selected Areas in Communications, vol. 17, no. 8
		Ad Kamerman and Guido Aben, "Net Throughput with IEEE 802.11 Wireless LANs"
		J.R. McChesney and R.J. Saulitis, "Optimization of an Adaptive Link Control Protocol for Multimedia Packet Radio Networks"
		Ram Ramanathan and Regina Rosales-Hain, "Topology Control of Multihop Wireless Networks using Transmit Power Adjustment"
		Ram Ramanathan and Martha E. Steenstrup, "Hierarchically-Organized, Multihop Mobile Wireless Networks for Quality-of-Service Support"
		Martha E. Steenstrup, "Dynamic Multipoint Virtual Circuits for Multimedia Traffic in Multihop Mobile Wireless Networks"
		Zhenyu Tang and J.J. Garcia-Luna-Aceves, "Collision-Avoidance Transmission Scheduling for Ad-Hoc Networks"
		George Vardakas and Wendell Kishaba, "QoS Networking With Adaptive Link Control and Tactical Multi-Channel Software Radios"
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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